

Title (en)
BATTERY CELL AND METHOD FOR MANUFACTURING BATTERY CELL

Title (de)
BATTERIEZELLE UND VERFAHREN ZUR HERSTELLUNG EINER BATTERIEZELLE

Title (fr)
PILE ET PROCÉDÉ DE FABRICATION DE PILE

Publication
EP 3349272 A4 20181031 (EN)

Application
EP 17744535 A 20170124

Priority
• KR 20160011418 A 20160129
• KR 2017000827 W 20170124

Abstract (en)
[origin: EP3349272A1] Disclosed is a battery cell, which includes an electrode assembly, a pair of electrode leads electrically connected to the electrode assembly, a battery case configured to accommodate the electrode assembly and expose a portion of the pair of electrode leads to the outside, an electrolyte injection hole formed in the battery case and connectable to an electrolyte injecting device that injects an electrolyte in a vacuum state so that the electrolyte is injected into the battery case, and an injection hole cap configured to cover the electrolyte injection hole and mounted to the electrolyte injection hole so as to be detachable from the electrolyte injection hole by user manipulation.

IPC 8 full level
H01M 10/058 (2010.01); **H01M 10/42** (2006.01); **H01M 50/627** (2021.01); **H01M 50/645** (2021.01); **H01M 50/673** (2021.01)

CPC (source: EP KR US)
H01M 10/0413 (2013.01 - US); **H01M 10/058** (2013.01 - KR US); **H01M 10/42** (2013.01 - KR US); **H01M 10/4214** (2013.01 - KR); **H01M 50/609** (2021.01 - EP); **H01M 50/627** (2021.01 - EP KR US); **H01M 50/645** (2021.01 - EP KR US); **H01M 50/673** (2021.01 - EP KR US); **H01M 50/70** (2021.01 - KR US); **Y02E 60/10** (2013.01 - EP KR); **Y02P 70/50** (2015.11 - EP KR)

Citation (search report)
• [XYI] JP 2000215882 A 20000804 - JAPAN STORAGE BATTERY CO LTD, et al
• [XYI] US 2012107653 A1 20120503 - GUEN MINHYUNG [KR], et al
• [XY] US 2016020452 A1 20160121 - CHOI JU-YOUNG [KR], et al
• [Y] US 6497976 B1 20021224 - MORIZANE YUICHIRO [JP]
• See also references of WO 2017131414A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3349272 A1 20180718; **EP 3349272 A4 20181031**; **EP 3349272 B1 20240911**; CN 208298925 U 20181228; JP 2018537835 A 20181220; JP 7039777 B2 20220323; KR 20170091037 A 20170808; US 11848410 B2 20231219; US 2018351154 A1 20181206; US 2021091367 A1 20210325; WO 2017131414 A1 20170803

DOCDB simple family (application)
EP 17744535 A 20170124; CN 201790000406 U 20170124; JP 2018544750 A 20170124; KR 2017000827 W 20170124; KR 20170012174 A 20170125; US 201715768325 A 20170124; US 202017113291 A 20201207